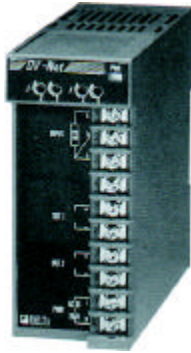


General Specifications

1&2 OUT SQUARE ROOT CONVERTER



This is a high accurate converter which linearizes, compensates the square root scale of current output corresponding to flow in combination with pressure flow transmitter (D/P transmitter).

As requiring of user, it is possible to change cut off range of unstable low level flow and power adopt free voltage.

In the mounting method, you can freely select one between DIN RAIL mounting and WALL MOUNTING.

SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	DC Signal (Current input to be combined through the application of precise resistor shunt)	
OUTPUT	DC Current or DC Voltage Signal	
ACCURACY	¼ 0.2% Span (Output 0% and 20~100%)	
	¼ 0.3% Span (Output 0% and 10~20%)	
TEMP. COEFFICIENT	¼ 0.02% F.S (Output 0% and 20~100%)	
RESPONSE TIME	Less than 0.5Sec (0-90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIRECTRIC-STRENGTH	Input-Power	AC1,000V
	Input-Output	AC1,000V
	1ST Out-2ND Out	AC1,000V
POWER SUPPLY	AC Driven	AC85~264V 50-60Hz
	DC Driven	DC 24V ¼ 10% 110mA
POWER CONSUMPTION	Less than 7VA	
AMBIENT-TEMP	-5~+55°C (20~130ℳ)	
HUMIDITY	Less than 90% RH (no condensation)	
LINEARIZER	Standard function	
CASE MATERIAL	ABS / PC	
COLOR	BLUE	
WEIGHT	About 300g	
DIMENSION	W42 x H96 x D101mm	
MOUNTING	WALL or DIN RAIL	
OUTPUT		
LOAD RESISTANCE	Refer to Attached Technical Sheet.	

ORDERING CODE

MODEL : D V S Q - [] [] [] [] - []

INPUT SIGNAL

1 DC 0~10mV	A DC 0~1mA
2 DC 0~100mV	B DC 0~10mA
3 DC 0~1V	C DC 0~16mA
4 DC 0~10V	D DC 0~20mA
5 DC 0~5V	E DC 1~5mA
6 DC 1~5V	F DC 2~10mA
7 DC -10~10V	G DC 4~20mA
0 Other Voltage (Less than 12V)	Z Other Current (Less than 20mA)

1ST OUTPUT SIGNAL

1 DC 0~1mA	A DC 0~10mV
2 DC 0~10mA	B DC 0~100mV
3 DC 0~16mA	C DC 0~1V
4 DC 0~20mA	D DC 0~10V
5 DC 1~5mA	E DC 0~5V
6 DC 2~10mA	F DC 1~5V
7 DC 4~20mA	G DC -10~10V
0 Other Current (Less than 20mA)	Z Other Voltage (Less than 12V)

2ND OUTPUT SIGNAL

N None

Same Range Availability as OUTPUT 1ST

POWER SUPPLY

1 AC100V ~ 240V	2 DC 24V
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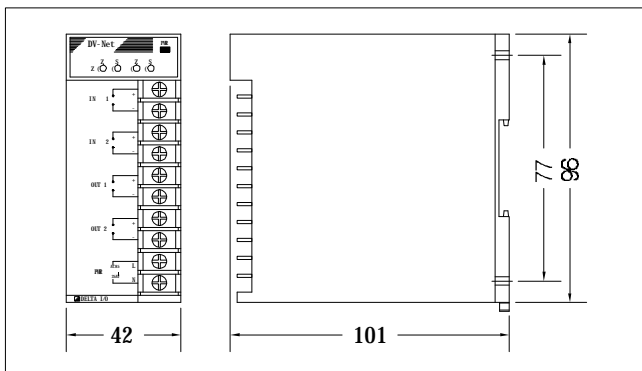
I/O ISOLATION

G : General Y : Isolation

OUTPUT RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
1 ~ 5mA	Less than 2.4K Ω
4 ~ 20mA	Less than 600 Ω
1 ~ 5V	More than 500 Ω
0 ~ 10V	More than 1K Ω

DIMENSION



WIRING DIAGRAM

INPUT		OUTPUT		POWER	
1	+	5	+	9	L(+)
2	-	6	-	10	N(-)
3	NC	7	+	2ND OUTPUT	
4		8	-		